



## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/674,962 B  
Source: 1600  
Date Processed by STIC: 7-30-03

RECEIVED

AUG 11 2003

TECH CENTER 1600/2900

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER  
VERSION 4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND  
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)

2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

3. Hand Carry directly to:

U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 1<sup>st</sup> Floor, Examiner Name,  
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202

Or

U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two,  
2011 South Clark Place, Arlington, VA 22202

4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office,  
Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 04/24/2003



1600

## RAW SEQUENCE LISTING

DATE: 07/30/2003

PATENT APPLICATION: US/09/674,962B

TIME: 09:58:10

Input Set : A:\Sequence

Output Set: N:\CRF4\07302003\I674962B.raw

3 <110> APPLICANT: Hauer, Bernhard  
 4 Schmid, Rolf D.  
 5 Enzelberger, Markus  
 6 Minning, Stephan  
 8 <120> TITLE OF INVENTION: Novel Peptide Fragments for Purifying Proteins  
 10 <130> FILE REFERENCE: 49041/Up  
 12 <140> CURRENT APPLICATION NUMBER: 09/674,962B  
 14 <141> CURRENT FILING DATE: 2000-11-08  
 16 <150> PRIOR APPLICATION NUMBER: PCT/EP99/03469  
 18 <151> PRIOR FILING DATE: 1999-05-20  
 20 <160> NUMBER OF SEQ ID NOS: 11  
 22 <170> SOFTWARE: WordPerfect version 6.1  
 25 <210> SEQ ID NO: 1  
 26 <211> LENGTH: 10  
 27 <212> TYPE: PRT  
 28 <213> ORGANISM: Artificial Sequence  
 30 <220> FEATURE:  
 31 <222> LOCATION: 1..10  
 32 <223> OTHER INFORMATION: sequence for purifying proteins  
 W--> 35 <221> NAME/KEY: unsure  
 36 <222> LOCATION: 2  
 37 <223> OTHER INFORMATION: Xaa is an amino acid selected from the group consisting of  
 38 Ala, Val, Phe, Ser, Met, Trp, Tyr, Asn, Asp, Ile, Arg, Cys, Leu, Gly, Thr,  
 39 Stop and Lys, *Xaa can only represent a single amino-acid. It can not represent a codon*  
 40 <223> OTHER INFORMATION: particularly preferably  
 41 Phe, Ser, Asn, Asp and Lys, very particularly preferably Asn.  
 W--> 43 <221> NAME/KEY: unsure  
 W--> 44 <222> LOCATION: 4  
 W--> 45 <223> Xaa is an amino acid selected from the group consisting of  
 46 Val, Ile, Phe, Pro, Trp, Tyr, Gln, Glu, Ser, Thr, Stop, Asn, Ala, Gly, Met,  
 47 Asp, Leu and Arg,  
 48 <223> OTHER INFORMATION: particularly preferably Val,  
 49 Ile, Phe, Pro, Gln, Glu and Arg,  
 50 <223> OTHER INFORMATION: very particularly preferably Gln, Glu and Arg.  
 W--> 52 <221> NAME/KEY: unsure  
 W--> 53 <222> LOCATION: 5  
 W--> 54 <223> Xaa is an amino acid selected from the group consisting of  
 55 Gly, Ile, Thr, Met, Trp, Tyr, Asn, Gln, Asp, Glu, Lys, Arg, Val, Leu, Stop,  
 56 Ser, Phe and His,  
 57 <223> OTHER INFORMATION: particularly preferably Gly, Ile, Thr, Met, Trp, Tyr, Asn  
 Asp, Glu, Arg  
 58 and  
 59 His,  
 61 <223> OTHER INFORMATION: very particularly preferably Gly, Thr and Tyr.

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Input Set : A:\Sequence

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W--> 63 <221> NAME/KEY: unsure

W--> 64 <222> LOCATION: 6

W--> 65 <223> Xaa is an amino acid selected from the group consisting of

66 Val, Phe, Pro, Cys, Met, Trp, Asn, Glu, Arg, Leu, Gly, Ser, Ala, Thr, Ser,

67 Asp, Gln and His,

68 <223> OTHER INFORMATION: particularly preferably

69 Val, Phe, Cys, Met, Trp, Asn, Arg and His, very particularly preferably Asn

70 and Arg.

W--> 72 <221> NAME/KEY: unsure

W--> 73 <222> LOCATION: 8

W--> 74 <223> Xaa is an amino acid selected from the group consisting of

75 Gly, Ser, Cys, Met, Trp, Asn, Glu, Lys, Stop, Pro, Phe, Ala, Leu, Thr, His,

76 Ile, Tyr and Arg,

77 <223> OTHER INFORMATION:

78 particularly preferably Gly,

79 Ser, Cys, Met, Asn, Glu, Lys and Arg, very particularly preferably Gly and

80 Lys.

W--> 82 <221> NAME/KEY: unsure

W--> 83 <222> LOCATION: 9

W--> 84 <223> Xaa is an amino acid selected from the group consisting of

85 Gly, Ser, Cys, Met, Trp, Asn, Glu, Lys, Leu, Stop, Phe, Thr, Val, Ala, Asp and

86 Arg,

87 <223> OTHER INFORMATION: particularly preferably Gly,

88 Ser, Cys, Met, Asn, Glu, Lys and Arg, very particularly preferably Gly and

89 Lys.

W--> 91 <400> 1

W--> 93 His Xaa His Xaa Xaa Xaa Cys Xaa Xaa Cys

94 1 5 10

96 <210> SEQ ID NO: 2

97 <211> LENGTH: 10

98 <212> TYPE: PRT

99 <213> ORGANISM: Artificial sequence

101 <220> FEATURE:

102 <223> OTHER INFORMATION: Sequence for purifying proteins

104 <400> SEQUENCE: 2

106 His Gln His Glu Gly Arg Cys Lys Glu Cys

107 1 5 10

109 <210> SEQ ID NO: 3

110 <211> LENGTH: 10

111 <212> TYPE: PRT

112 <213> ORGANISM: Artificial sequence

114 <220> FEATURE:

115 <223> OTHER INFORMATION: Sequence for purifying proteins

117 <400> SEQUENCE: 3

119 His Asn His Arg Tyr Gly Cys Gly Cys Cys

120 1 5 10

122 <210> SEQ ID NO: 4

123 <211> LENGTH: 10

124 <212> TYPE: PRT

## RAW SEQUENCE LISTING

DATE: 07/30/2003

PATENT APPLICATION: US/09/674,962B

TIME: 09:58:10

Input Set : A:\Sequence

Output Set: N:\CRF4\07302003\I674962B.raw

125 <213> ORGANISM: Artificial sequence  
 127 <220> FEATURE:  
 128 <223> OTHER INFORMATION: Sequence for purifying proteins  
 130 <400> SEQUENCE: 4  
 132 His Arg His Gly Thr Asn Cys Leu Lys Cys  
 133 1 5 10  
 135 <210> SEQ ID NO: 5  
 136 <211> LENGTH: 10  
 137 <212> TYPE: PRT  
 138 <213> ORGANISM: Artificial sequence  
 140 <220> FEATURE:  
 141 <223> OTHER INFORMATION: Sequence for purifying proteins  
 143 <400> SEQUENCE: 5  
 145 His Ile His Gln Ser Asn Cys Gln Val Cys  
 146 1 5 10  
 149 <210> SEQ ID NO: 6  
 150 <211> LENGTH: 59  
 151 <212> TYPE: DNA  
 152 <213> ORGANISM: Artificial sequence  
 154 <220> FEATURE:  
 155 <221> NAME/KEY: unsure  
 156 <222> LOCATION: 1..59  
 157 <223> OTHER INFORMATION: primer  
 158 <223> OTHER INFORMATION: n is a, g, c, t or u  
 W-160 <400> 6  
 W-162 gcaataccat ggggcatnnn catnnnnnnn nntgtnnnnn ntgtgtgagg aagggcgag 59  
 164 <210> SEQ ID NO: 7  
 165 <211> LENGTH: 17  
 166 <212> TYPE: DNA  
 167 <213> ORGANISM: Artificial sequence  
 169 <220> FEATURE:  
 170 <223> OTHER INFORMATION: primer  
 172 <400> SEQUENCE: 7  
 174 cagttggaat tctagag 17  
 177 <210> SEQ ID NO: 8  
 178 <211> LENGTH: 47  
 179 <212> TYPE: DNA  
 180 <213> ORGANISM: Artificial sequence  
 182 <220> FEATURE:  
 183 <223> OTHER INFORMATION: primer  
 185 <400> SEQUENCE: 8  
 187 gcaataccat ggggcatcat catcatcatc atgtgaggaa gggcgag 47  
 190 <210> SEQ ID NO: 9  
 191 <211> LENGTH: 17  
 192 <212> TYPE: DNA  
 193 <213> ORGANISM: Artificial sequence  
 195 <220> FEATURE:  
 196 <223> OTHER INFORMATION: primer  
 198 <400> SEQUENCE: 9

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Input Set : A:\Sequence

Output Set: N:\CRF4\07302003\I674962B.raw

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200 cagttggaat tctagag 17
202 <210> SEQ ID NO: 10
203 <211> LENGTH: 44
204 <212> TYPE: DNA
205 <213> ORGANISM: Artificial sequence
207 <220> FEATURE:
208 <223> OTHER INFORMATION: primer
210 <400> SEQUENCE: 10
212 gcaataccat ggggcatatt cataatcttg attgtcctga ttgt 44
214 <210> SEQ ID NO: 11
215 <211> LENGTH: 10
216 <212> TYPE: PRT
217 <213> ORGANISM: Helicobacter pylori
219 <400> SEQUENCE: 11
221 His Ile His Asn Leu Asp Cys Pro Asp Cys
222 5 .10
```

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/09/674,962B

DATE: 07/30/2003  
TIME: 09:58:11

Input Set : A:\Sequence  
Output Set: N:\CRF4\07302003\I674962B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 2, 4, 5, 6, 8, 9

Seq#:6; N Pos. 18, 19, 20, 24, 25, 26, 27, 28, 29, 30, 31, 32, 36, 37, 38, 39, 40, 41